

Sierra Wireless AirLink RV50X Industrial 4G LTE Modem

SKU: M2M-SW-00001
 MPN: 1103045

Description

The AirLink® RV50X is the industry's lowest power and most rugged 4G LTE gateway. Simple to install and easy to manage, the RV50X industrial gateway is designed to connect critical assets and infrastructure.

Ideal for industrial-grade applications in energy, utilities and smart-city infrastructure, the RV50X provides real-time remote connectivity for SCADA, distribution management systems and metering.

The RV50X supports an extensive range of LTE bands worldwide, and its LTE-Advanced capabilities deliver up to 300 Mb/s downlink speeds. The RV50X provides fallback to 3G networks for those countries still using 3G.

With the lowest power consumption available on the market, the RV50X dramatically reduces infrastructure costs when running on battery or solar power, and provides programmability to enable edge computing applications, using the ALEOS Application Framework (AAF).

Read More

- LTE-Advanced with minimal power consumption – less than 1 Watt
- Ideal for solar-powered applications
- Ruggedized, industrial grade form factor



Sierra Wireless (Semtech)



Sierra Wireless (rebranding as Semtech) is a leading IoT solutions provider that combines devices, network services and software to unlock value in the connected economy. Sierra Wireless was acquired by Semtech Corporation in January 2023. With an almost 30 year history of innovation in the wireless space, we have been first to market with many technology solutions for global customers.

Network Interfaces

Wireless Interfaces

Our ...

Cellular Module

Technologies: 3G UMTS, 4G LTE Chipset/Module: Snapdragon X7 LTE

4G LTE Specifications

MIMO: 2x2 MIMO DL Category: Cat 6

LTE Bands: B1 UL Category: Cat 5

B3
,
B5
,
B7
,
B8
,
B18
,
B21
,
B28
,
B38
,
B39
,
B40
,
B41

Carrier Aggregation: 2C CA

SIM Cards

| Quantity | SIM Type |
|----------|--------------------|
| 2 | Standard SIM (2FF) |

Modem RF Connectors

| RF Connector Function | Quantity | RF Interface |
|-----------------------|----------|--------------|
| Cellular | 2 | SMA Female |

GNSS Module

Technologies: GLONASS, GPS

Device RF Interface

| RF Connector Function | Quantity | RF Interface |
|-----------------------|----------|--------------|
| GNSS | 1 | SMA Female |

Ethernet Interfaces

| Interface | Quantity | Function | Signalling |
|-------------|----------|----------|-----------------------|
| RJ45 Copper | 1 | LAN | 100BASE-T, 1000BASE-T |

Physical Specification

| | | | |
|-----------------------------|----------------|----------------------------|----------------------------------|
| Subtype: | Cellular Modem | Dimensions: | 119 × 94 × 34 mm |
| Min. Operating Temperature: | -40 °C | Weight: | 320 g |
| Max. Operating Temperature: | 70 °C | Mechanical Compliance: | IEC 60068-2-27: Mechanical Shock |
| Ingress Protection: | IP64 | Compliance/Certifications: | CE , RCM , RoHS |

IO Interfaces

| IO Connector | Quantity | Notes |
|-----------------|----------|--------|
| DE-9 Serial | 1 | RS-232 |
| USB Micro-B 2.0 | 1 | |

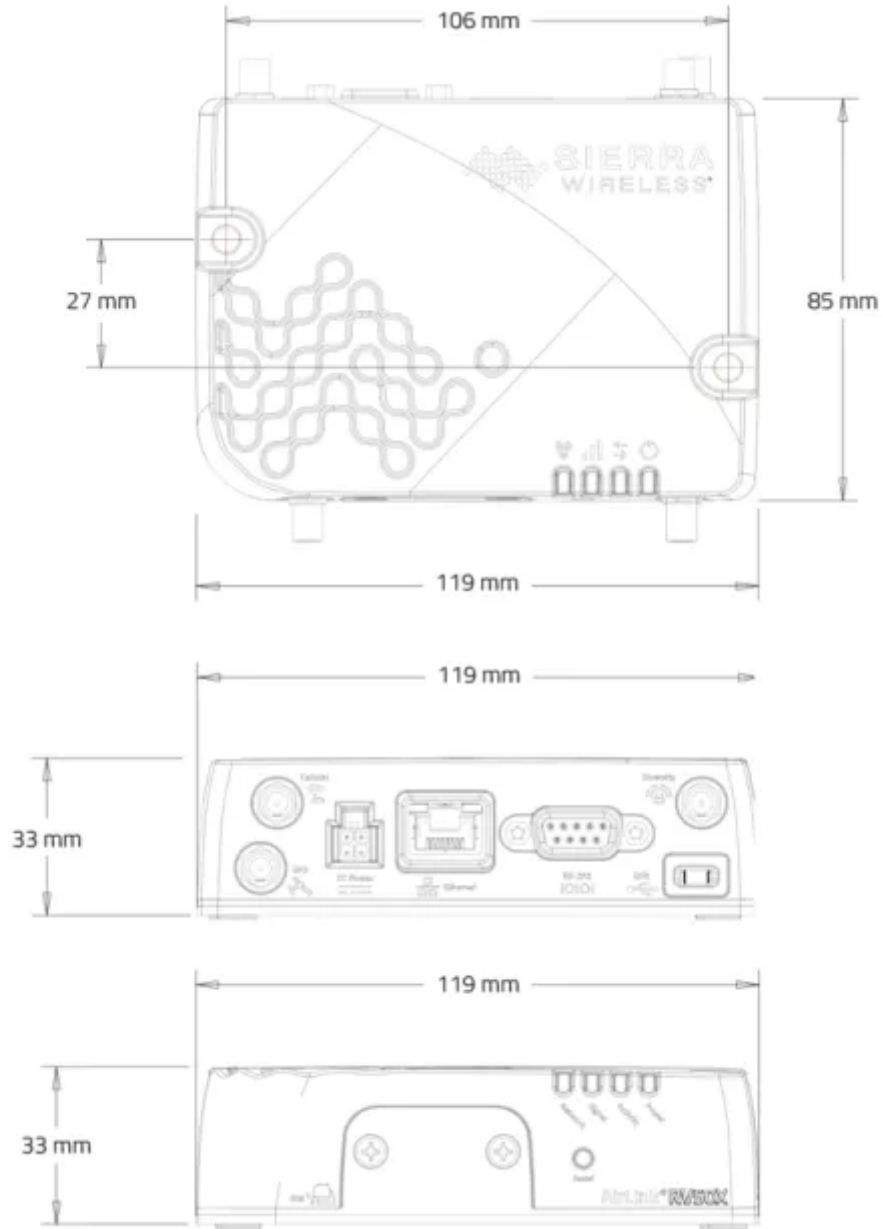
Power Specifications

Power Options: DC Power Input Typical Consumption: 0.9 W

Power Interface

| Power Connector | Nominal Voltage | Min. Input Voltage | Max. Input Voltage | Voltage Type |
|-------------------------------|-----------------|--------------------|--------------------|--------------|
| Molex, 4-Pin Square Micro-Fit | 12 V | 7 V | 36 V | DC |

Drawing



Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

